

In the Claims:

1. A presence system, comprising:

a presence service client including a presentity that provides presence information and a watcher which observes presence information provided by other presentities than said presentity; a presence service which receives presence information from the presentity and delivers the presence information to the watcher; and a presence calculating part which changes the presence information for said presentity on said presence service client, using as a trigger a change in the presence information for other presentities acquired by said watcher on said presence service client.

2. The presence system as set forth in claim 1,

wherein

said presence calculating part has a presence change rule storing part which holds a presence change rule that prescribes how the presence information for said presentity on said presence service client should be changed based on the presence information for said other presentities.

3. A presence system, comprising:

a presence service client including a presentity that provides presence information and a watcher which

5 observes presence information for a plurality of other presentities than said presentity; a presence service which receives presence information from the presentity and delivers the presence information to the watcher; and a presence calculating part which changes the presence information for said presentity on said 10 presence service client, based on the presence information calculated from the presence information for said plurality of other presentities that has been acquired by said watcher on said presence service client.

4. The presence system as set forth in claim 3, wherein

5 said presence calculating part has a presence change rule storing part which holds a presence change rule that prescribes how the presence information for said presentity on said presence service client should be changed based on the presence information for said other presentities.

5. The presence system as set forth in claim 3, wherein

5 said presentity on said presence service client is a presentity in a group to which said plurality of other presentities observed by said watcher belong.

6. The presence system as set forth in claim 5,

wherein

a group member managing part which adds, modifies or deletes said other presentities belonging to said group is provided.

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7. The presence system as set forth in claim 1, wherein

said presentity on said presence service client issues own presence to said presence service.

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8. The presence system as set forth in claim 2, wherein

said presentity on said presence service client issues own presence to said presence service.

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9. An information processing equipment, comprising:
a presence service client including a presentity that issues own presence information to a presence service and a watcher which acquires from said presence service presence information for other presentities than said presentity; and a presence calculating part which changes the presence information for said presentity on said presence service client, using as a trigger a change in the presence information for said other presentities acquired by said watcher on said presence service client; wherein said presence calculating part further comprises a presence change rule storing part

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15 which holds a presence change rule that prescribes how the presence information for said presentity on said presence service client should be changed based on the presence information for said other presentities.

10. An information processing equipment, comprising:
5 a presence service client including a presentity that issues own presence information to a presence service and a watcher which acquires from said presence service presence information for plurality of other presentities than said presentity; and a presence calculating part which changes the presence information for said presentity on said presence service client, based on the presence information calculated from the presence information for said plurality of other presentities acquired by said watcher on said presence service client; wherein said presence calculating part further comprises a presence change rule storing part which holds a presence change rule that prescribes how 10 the presence information for said presentity on said presence service client should be changed based on the presence information for said other presentities.

15 11. The information processing equipment as set forth in claim 10, wherein
said presentity on said presence service client is a presentity in a group to which said plurality of

5 other presentities observed by said watcher belong.

12. The information processing equipment as set forth in claim 11, wherein

a group member managing part which adds, modifies or deletes said other presentities belonging to said group is provided.

13. A presence notification destination controlling program, comprising the capabilities of:

making a computer function as a presence service client including a presentity that issues own presence information to a presence service and a watcher which acquires from said presence service presence information for other presentities than said presentity and a presence calculating part which changes the presence information for said presentity on said presence service client, using as a trigger a change in the presence information for said other presentities acquired by said watcher on said presence service client, in accordance with a pre-set presence change rule.

14. A presence notification destination controlling program, comprising the capabilities of:

making a computer function as a presence service client including a presentity that issues own presence information to a presence service and a watcher which

acquires from said presence service presence information for plurality of other presentities than said presentity and a presence calculating part which changes the presence information for said presentity on said presence service client, based on the presence information for said plurality of other presentities acquired by said watcher located on said presence service client and the presence information calculated from the pre-set presence change rule.

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15. A dynamic buddy list generation method for automatically generating a buddy list for use by each client on a network to manage state information for own client or other clients, wherein:

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each client has a state managing part which stores state information A for own client; a state monitoring part which stores state information B for other clients and holds a buddy list (population list) that manages said state information B; a buddy list generating part which generates a buddy list (selection list) based on a given generation rule; and a buddy list managing part which holds said selection list, and comprising:

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when a change occurs in the state of own client or any other client,

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first step wherein said state managing part updates and transmits said state information A to said

buddy list generating part,

20 second step wherein said state monitoring part transmits state notification request information which acquires the state after change to other clients included in said population list, and receives from other clients state change notification information in response to said state notification request information
25 and said state information B,

30 third step wherein said state monitoring part updates state information B being managed by said population list, based on said state change notification information, and transmits said population list to said buddy list generating part,

35 fourth step wherein said buddy list generating part generates said selection list, based on said state information A received from said state managing part in said first step, said state information B being managed by said population list received from said state monitoring part in said third step, and said generation rule, and transmits said selection list to said buddy list managing part, and

40 fifth step wherein said buddy list managing part holds said selection list received from said buddy list generating part in said fourth step.

16. The dynamic buddy list generation method as set forth in claim 15, wherein:

5 said buddy list generating part includes a generation rule managing part which changes said generation rule, and said generation rule managing part has the first changing step of changing said generation rule by reflecting said state information A or B received in said fourth step.

17. The dynamic buddy list generation method as set forth in claim 16, wherein:

5 said generation rule managing part has the second changing step of causing a generation rule to be changed in response to the action taken from own client to change said generation rule.

18. A dynamic buddy list generation method for automatically generating a buddy list for a server on a network to manage state information for each client, wherein:

5 each client includes a state managing part which stores state information C for own client and buddy list managing part which holds a buddy list (selection list) generated and transmitted by a server, wherein

10 the server includes a state monitoring part which stores said state information C and holds a buddy list (population list) which manages said state information C, and a buddy list generating part which generates said selection list for each client based on the pre-set rule,

and comprising:

15 when a change occurs in a state of any of the
clients,

 sixth step wherein said state managing part
updates said state information C,

20 seventh step wherein said state monitoring part
transmits state notification request information which
acquires the state after change to other clients
included in said population list, and receives from
other clients state change notification information in
response to said state notification request information
25 and said state information C,

 eighth step wherein said state monitoring part
updates state information C being managed by said
population list, based on said state change notification
information, and transmits said population list to said
30 buddy list generating part,

 ninth step wherein said buddy list generating
part generates said selection list for each client,
based on said state information C being managed by said
population list received from said state monitoring part
35 in said eighth step and said generation rule, and
transmits said selection list to said buddy list
managing part of each client, and

 tenth step wherein said buddy list managing part
holds said selection list received from said buddy list
40 generating part in said ninth step.

19. The dynamic buddy list generation method as set forth in claim 18, wherein:

5 said buddy list generating part includes a generation rule managing part which changes said generation rule, wherein said generation rule managing part has the third changing step of changing said generation rule by reflecting said state information C received in said ninth step.

20. The dynamic buddy list generation method as set forth in claim 19, wherein:

5 said generation rule managing part has the fourth changing step of causing a generation rule to be changed in response to the action taken from each client to change said generation rule.

21. A presence system, comprising:

5 presentities that provide presence information indicating at least the state of own entity; subscribers that observe said presence information; and a presence service that delivers said presence information received from said presentities to said subscribers; wherein said presentities are provided with a notification part which notifies said presence information to specific subscribers only.

22. The presence system as set forth in claim 21,
wherein

5 said presentities include an element which
derives said specific subscribers in accordance with a
notification destination determination rule held by said
presentities,

wherein said notification part notifies said
presence information to said specific subscribers thus
derived only.

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23. The presence system as set forth in claim 21,
wherein

5 said presentities include an element which
derives said specific subscribers in accordance with a
notification destination determination rule that
includes a notification condition designated by said
subscribers,

10 wherein said notification part notifies said
presence information to said specific subscribers thus
derived only.

24. The presence system as set forth in claim 21,
wherein

5 said subscribers determine subscribers to which
said presence information is to be notified in
accordance with the order in which said subscribers have
performed subscription.

25. The presence system as set forth in claim 21,
wherein

subscribers to which said presence information is
to be notified are determined according to the
5 attributes of said subscribers.

26. The presence system as set forth in claim 21,
wherein

subscribers to which said presence information is
to be notified are determined according to the presences
5 for said presentities.

27. The presence system as set forth in claim 21,
wherein

when notifying said presence information,
information for authenticating that the destination
5 subscribers are said specific subscribers is added.

28. The presence system as set forth in claim 27,
wherein

said information for authenticating is
information with a pre-set time limit.

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29. The presence system as set forth in claim 21,
wherein

at least any of instant messaging, e-mail, or

5 telephone notification is included as a means of
 notifying said presence information.

30. A presence notification destination controlling
method, wherein

5 said method is a presence notification
destination controlling method for a presence system
comprising presentities that provides presence
information indicating at least the state of own entity;
subscribers that observe said presence information; and
a presence service that delivers said presence
information received from said presentities to said
10 subscribers;

 and comprising on the side of said presentities
the step of notifying said presence information to
specific subscribers only.

31. The presence notification destination controlling
method as set forth in claim 30, wherein

5 the step of deriving said specific subscribers in
accordance with a notification destination determination
rule held by said presentities is included on the side
of said presentities,

 wherein the step of notifying said presence
information notifies said presence information to said
specific subscribers thus derived only.

32. The presence notification destination controlling method as set forth in claim 30, wherein

the step of deriving said specific subscribers in accordance with a notification destination determination rule that includes a notification condition designated by said subscribers is included on the side of said presentities,

wherein the step of notifying said presence information notifies said presence information to said specific subscribers thus derived only.

10 33. The presence notification destination controlling method as set forth in claim 30, wherein

5 said subscribers determine subscribers to which said presence information is to be notified in accordance with the order in which said subscribers have performed subscription.

34. The presence notification destination controlling method as set forth in claim 30, wherein

5 subscribers to which said presence information is to be notified are determined according to the attributes of said subscribers.

35. The presence notification destination controlling method as set forth in claim 30, wherein

subscribers to which said presence information is

5 to be notified are determined according to the presences
for said presentities.

36. The presence notification destination controlling
method as set forth in claim 30, wherein
when notifying said presence information,
information for authenticating that the destination
5 subscribers are said specific subscribers is added.

37. The presence notification destination control
method as set forth in claim 36, wherein
said information for authenticating is
information with a pre-set time limit.

5 38. The presence notification destination controlling
method as set forth in claim 30, wherein
the step of notifying said presence information
notifies said presence information using a means
including any of instant messaging, e-mail, or telephone
notification.

39. A presence notification destination controlling
program, wherein
said program is a presence notification
destination controlling program for a presence system
5 comprising presentities that provides presence
information indicating at least the state of own entity;

subscribers that observe said presence information; and
a presence service that delivers said presence
information received from said presentities to said
10 subscribers;

and comprising capabilities of having a computer
execute a function of notifying said presence
information to specific subscribers only.